

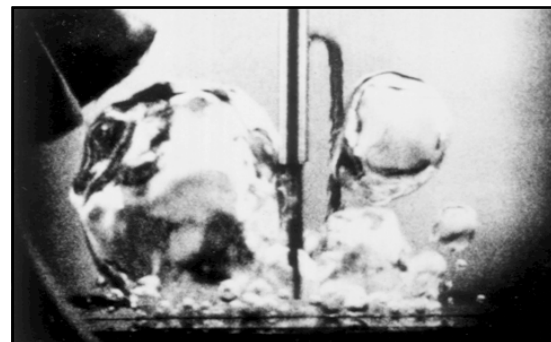
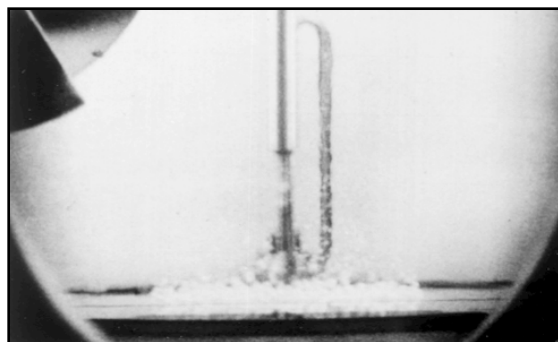
Glenn Research Center



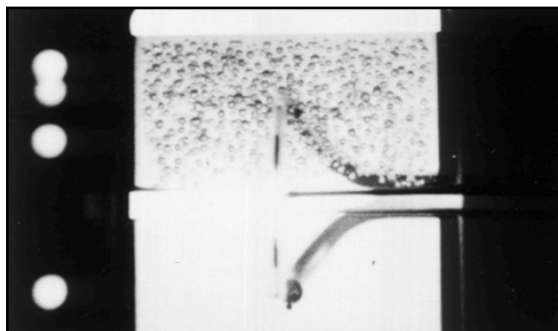
# Comparison of Pool Boiling Curves on Earth and During a Space Shuttle Flight

Gravity level strongly affects the nature of Pool Boiling

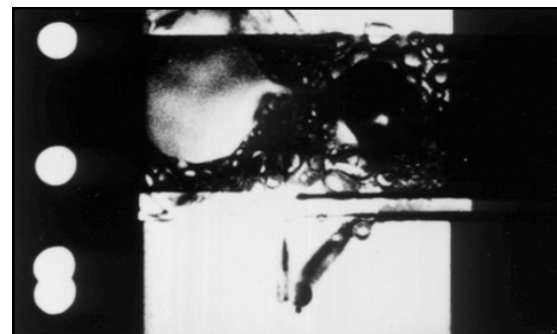
Side view



Underside view



Normal gravity  $a/g = 1$  (on Earth)



Reduced gravity  $a/g = 10^{-4}$  (in space)